

Title (en)
HOLDING STRUCTURE FOR HOLDING A PLURALITY OF CONTAINERS FOR PHARMACEUTICAL, MEDICAL, OR COSMETIC PURPOSES,
AND TRANSPORT OR PACKAGING CONTAINER HAVING SAME

Title (de)
HALTESTRUKTUR ZUM HALTEN EINER MEHRZAHL VON BEHÄLTERN FÜR PHARMAZEUTISCHE, MEDIZINISCHE ODER KOSMETISCHE
ZWECKE SOWIE TRANSPORT- ODER VERPACKUNGSBEHÄLTER MIT SELBIGER

Title (fr)
STRUCTURE DE RETENUE SERVANT À RETENIR UNE PLURALITÉ DE CONTENANTS POUR USAGE PHARMACEUTIQUE, MÉDICAL OU
COSMÉTIQUE AINSI QUE CONTENANT DE TRANSPORT OU D'EMBALLAGE LA COMPRENANT

Publication
EP 3535057 B1 20210224 (DE)

Application
EP 17787388 A 20171018

Priority
• DE 102016121086 A 20161104
• EP 2017076634 W 20171018

Abstract (en)
[origin: WO2018082925A1] The invention relates to a carrier of a holding structure for holding a plurality of containers for pharmaceutical, medical or cosmetic purposes, in which carrier openings or receptacles (13) for accommodating the containers are formed. Holding means (26; 27; 70) for holding the containers are provided at the openings or receptacles. The holdings means (26; 27; 70) can selectively assume two different, stable positions, namely a first stable position, in which the containers can be inserted into the openings or receptacles (13) without friction, and a second stable position, in which the containers are held in the respective openings or receptacles (13) by frictional or interlocking connection. The containers can be reliably inserted into the openings or receptacles without material abrasion. In the opened insertion position of the holding means, a large number of containers can be simultaneously inserted into the openings or receptacles without large forces acting on the holding structure for this purpose. Furthermore, possible deformation or twisting of the holding structure during use can be considerably reduced according to the invention.

IPC 8 full level
B01L 9/06 (2006.01); **A61J 1/16** (2006.01); **B01L 9/00** (2006.01); **B25H 3/06** (2006.01); **B65D 1/34** (2006.01); **B65D 5/50** (2006.01); **B65D 25/10** (2006.01); **B65D 71/62** (2006.01); **B65D 71/64** (2006.01); **B65D 77/04** (2006.01); **B65D 81/38** (2006.01)

CPC (source: EP US)
A61J 1/16 (2013.01 - EP US); **B01L 9/06** (2013.01 - EP US); **B01L 9/50** (2013.01 - EP US); **B65D 1/34** (2013.01 - EP US); **B65D 5/503** (2013.01 - EP US); **B65D 25/101** (2013.01 - EP US); **B65D 25/103** (2013.01 - EP US); **B65D 25/108** (2013.01 - US); **B65D 71/0037** (2013.01 - EP US); **B65D 71/0055** (2013.01 - EP US); **B65D 81/3813** (2013.01 - EP US); **B01L 2300/0609** (2013.01 - EP US); **B01L 2300/0858** (2013.01 - EP US); **B65D 25/105** (2013.01 - EP US); **B65D 25/108** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102016121086 A1 20180509; CN 109922888 A 20190621; CN 109922888 B 20211105; EP 3535057 A1 20190911;
EP 3535057 B1 20210224; JP 2019535497 A 20191212; US 11518596 B2 20221206; US 2019256266 A1 20190822;
WO 2018082925 A1 20180511

DOCDB simple family (application)
DE 102016121086 A 20161104; CN 201780068499 A 20171018; EP 17787388 A 20171018; EP 2017076634 W 20171018;
JP 2019522684 A 20171018; US 201916400099 A 20190501